

DOCKET NO.: MSFT-4160/37779.03
Application No.: 09/970,409
Office Action Dated: December 3, 2004

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)
11. (Canceled)
12. (Canceled)
13. (Canceled)
14. (Canceled)
15. (Canceled)
16. (Canceled)
17. (Canceled)
18. (Canceled)
19. (Canceled)
20. (Canceled)
21. (Previously Presented) A computer-readable medium containing computer-executable instructions to perform a method for assisting a computer programmer in real-time to modify a present programming language statement of a computer program, the method comprising:
 - enabling a programming language editor having a character position cursor and a randomly positionable pointer;
 - partially compiling available ones of a plurality of programming language statements in said computer program;

defining a finite set of programming language statement information that is relevant to at least one segment of the present programming language statement from among said plurality of programming language statements that is proximate to said character position which allows modification of the programming language statement; and

automatically generating a passive assist window that contains said finite set of programming language statement information in a location proximate to said character position cursor that does not obstruct the current view of said programming language statement.

22. (Previously Presented) The computer-readable medium of claim 21, having further computer-executable instructions for performing:

modifying the present programming language statement based at least in part on the selected programming language statement information; and

automatically removing the passive assist window when the programming language statement has been amended.

23. (Previously Presented) A computer-readable medium whose contents cause a computer system to supplement a computer programming statement by performing the steps of: automatically displaying the computer programming statement; and proximate to the display of an incomplete computer programming statement, automatically displaying a dynamic list of one or more textual programmatic entities.

24. (Previously Presented) The computer-readable medium of claim 23, having further computer-executable instructions for performing:

receiving a user input selection of one of the displayed textual programmatic entities; and

adding the selected textual programmatic entity to the displayed statement.

25. (Previously Presented) A method for assisting a computer programmer in modifying a programming language statement, the method comprising:
enabling a positionable cursor within a programming language editing tool;
automatically generating a passive assist window in response to the location of the positionable cursor, the passive assist window containing programming language statement information including at least one of selection menu information and information related to the programming language statement.

26. (Previously Presented) The method of claim 25 wherein the passive assist window generates and disappears independent of user intervention.

27. (Previously Presented) The method of claim 25 wherein the passive assist window permits a user typing the programming language statement to type through the programming language statement information, the passive assist window automatically altering the programming language statement information in response to the typing.

28. (Previously Presented) The method of claim 25 wherein the passive assist window further provides one or more entries for completing the programming language statement via automatic anticipation typing.

29. (Previously Presented) The method of claim 28 wherein the one or more entries are user defined entries.

30. (Previously Presented) The method of claim 29 wherein the user-defined entries enable a plurality of users to modify related programming language statements independent of prior sharing of information related to the user-defined entries.

31. (Previously Presented) The method of claim 25 wherein the passive assist window is a pop-up window that disappears if ignored by a user.

32. (Previously Presented) A computer readable medium containing computer executable instructions to perform a method for assisting a computer programmer in modifying a programming language statement, the method comprising:

enabling a positionable cursor within a programming language editing tool; and automatically generating a passive assist window in response to a location of the positionable cursor, the passive assist window containing programming language statement information including at least one of selection menu information and information related to the programming language statement.

33. (Previously Presented) The method of claim 32 wherein the passive assist window generates and disappears independent of user intervention.

34. (Previously Presented) The method of claim 32 wherein the passive assist window permits a user typing the programming language statement to type through the programming language statement information, the passive assist window automatically altering the programming language statement information in response to the typing.

35. (Previously Presented) A method for assisting a computer programmer in modifying a programming language statement, the method comprising:

enabling a positionable cursor within a programming language editing tool; and automatically generating a passive assist window in response to the location of the positionable cursor, the passive assist window containing programming language statement information including at least one of selection menu information and information related to the programming language statement, the selection menu information and information related to the programming language statement being active only when highlighted to enable the computer programmer to ignore the passive assist window.